

**APPENDIX C**  
**The Service's December 4, 1996 species list for the**  
**Prospect Island Restoration Project.**

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C - 0 8 9 2 2 5

C-089225

C-2

C - 0 8 9 2 2 6

C-089226



# United States Department of the Interior

## FISH AND WILDLIFE SERVICE

IN REPLY REFER TO:

Ecological Services  
Sacramento Field Office  
3310 El Camino Avenue, Suite 130  
Sacramento, California 95821-6340

1-1-97-SP-282

December 4, 1996

Mr. Walter Yep, Chief  
Planning Division  
Army Corps of Engineers  
Attention: Elizabeth Dyer  
132 J Street  
Sacramento, CA 95814-2922

Subject: Species Lists for the Prospect Island Fish and  
Wildlife Habitat Restoration Study

Dear Mr. Yep:

As requested by letter from your agency dated November 15, 1996, you will find enclosed lists of sensitive species that may be present in or may be affected by projects in the subject project area (see Enclosure A). These lists fulfill the requirement of the Fish and Wildlife Service (Service) to provide species lists pursuant to section 7(c) of the Endangered Species Act of 1973, as amended (Act).

The Service used your map(s) and/or other information to locate the proposed project on a U.S. Geological Survey (USGS) 7.5 minute quadrangle map. The animal species listed in Enclosure A are those species we believe may occur within, or be affected by projects within, the USGS Rio Vista, Liberty Island and Courtland quads, where your project is planned.

The plants listed in Enclosure A are those that have actually been observed in each quad. These plants on each of the three lists may also occur in the other two quads.

Some of the species listed in Enclosure A may not be affected by the proposed action. A trained biologist or botanist, familiar with the habitat requirements of the listed species, should determine whether these species or habitats suitable for these species may be affected by the proposed action.

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Some pertinent information concerning the distribution, life history, habitat requirements, and published references for the listed species is available upon request. This information may be helpful in preparing the biological assessment for this project, if one is required. Please see Enclosure B for a discussion of the responsibilities Federal agencies have under section 7(c) of the Act and the conditions under which a biological assessment must be prepared by the lead Federal agency or its designated non-Federal representative.

Formal consultation, pursuant to 50 CFR § 402.14, should be initiated if you determine that a listed species may be affected by the proposed project. If you determine that a proposed species may be adversely affected, you should consider requesting a conference with our office pursuant to 50 CFR § 402.10. Informal consultation may be utilized prior to a written request for formal consultation to exchange information and resolve conflicts with respect to a listed species. If a biological assessment is required, and it is not initiated within 90 days of your receipt of this letter, you should informally verify the accuracy of this list with our office.

Candidate species are currently being reviewed by the Service and are under consideration for possible listing as endangered or threatened. Candidate species have no protection under the Endangered Species Act, but are included for your consideration as it is possible that one or more of these candidates could be proposed and listed before the subject project is completed. Should the biological assessment reveal that candidate species may be adversely affected, you may wish to contact our office for technical assistance. One of the potential benefits from such technical assistance is that by exploring alternatives early in the planning process, it may be possible to avoid conflicts that could otherwise develop, should a candidate species become listed before the project is completed.

The Service recently changed its policy on candidate species. The term candidate now strictly refers to species for which the Service has on file enough information to propose listing as endangered or threatened. Former category 2 candidate species - species for which listing is possibly appropriate but for which the Service lacks sufficient information to support a listing proposal - are now called species of concern. They are no longer monitored by the Service. However we have retained them on the enclosed list for general information. We encourage consideration of them in project planning, as they may become candidate species in the future.

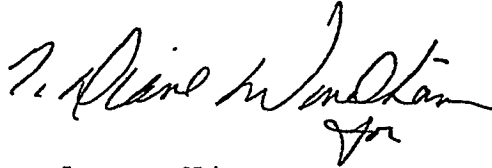
Please contact Mr. Michael Thabault, Coast-Bay-Delta Branch Chief, at (916) 979-2725 if you have any questions regarding the enclosed list or your responsibilities under the Endangered Species Act. For the fastest response

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to species list requests, address them to the attention of the section 7 office assistant at this address. If you have any questions about possible impacts to other fish and wildlife, please contact Mike Fris at (916) 979-2107.

Sincerely,

A handwritten signature in cursive script, appearing to read "Joel A. Medlin".

Joel A. Medlin  
Field Supervisor

Enclosures

C-5

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ENCLOSURE A

Endangered and Threatened Species that May Occur in  
or be Affected by Projects in the Following Selected Quads

November 26, 1996

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QUAD : 480B RIO VISTA

**Listed Species**

Birds

- American peregrine falcon, *Falco peregrinus anatum* (E)
- Aleutian Canada goose, *Branta canadensis leucopareia* (T)
- bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

- giant garter snake, *Thamnophis gigas* (T)

Amphibians

- California red-legged frog, *Rana aurora draytonii* (T)

Fish

- winter-run chinook salmon, *Oncorhynchus tshawytscha* (E)
- delta smelt, *Hypomesus transpacificus* (T)
- delta smelt critical habitat, *Hypomesus transpacificus critical habitat* (T)

Invertebrates

- Conservancy fairy shrimp, *Branchinecta conservatio* (E)
- vernal pool tadpole shrimp, *Lepidurus packardii* (E)
- vernal pool fairy shrimp, *Branchinecta lynchi* (T)
- valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)
- delta green ground beetle, *Elaphrus viridis* (T)

**Proposed Species**

Fish

- Central Valley steelhead, *Oncorhynchus mykiss* (PE)
- Sacramento splittail, *Pogonichthys macrolepidotus* (PT)

**Candidate Species**

Mammals

- San Joaquin Valley woodrat, *Neotoma fuscipes riparia* (C)
- riparian brush rabbit, *Sylvilagus bachmani riparius* (C)

Birds

- mountain plover, *Charadrius montanus* (C)

QUAD : 480B RIO VISTA

**Candidate Species**

**Amphibians**

California tiger salamander, *Ambystoma californiense* (C)

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**Species of Concern**

**Mammals**

greater western mastiff-bat, *Eumops perotis californicus* (SC)

small-footed myotis bat, *Myotis ciliolabrum* (SC)

long-eared myotis bat, *Myotis evotis* (SC)

fringed myotis bat, *Myotis thysanodes* (SC)

long-legged myotis bat, *Myotis volans* (SC)

Yuma myotis bat, *Myotis yumanensis* (SC)

San Francisco dusky-footed woodrat, *Neotoma fuscipes annectens* (SC)

San Joaquin pocket mouse, *Perognathus inornatus* (SC)

Pacific western big-eared bat, *Plecotus townsendii townsendii* (SC)

**Birds**

tricolored blackbird, *Agelaius tricolor* (SC)

western burrowing owl, *Athene cunicularia hypugea* (SC)

ferruginous hawk, *Buteo regalis* (SC)

little willow flycatcher, *Empidonax traillii brewsteri* (SC)

black rail, *Laterallus jamaicensis* (SC)

white-faced ibis, *Plegadis chihi* (SC)

**Reptiles**

northwestern pond turtle, *Clemmys marmorata marmorata* (SC)

**Amphibians**

western spadefoot toad, *Scaphiopus hammondi* (SC)

**Fish**

green sturgeon, *Acipenser medirostris* (SC)

river lamprey, *Lampetra ayresi* (SC)

Pacific lamprey, *Lampetra tridentata* (SC)

longfin smelt, *Spirinchus thaleichthys* (SC)

QUAD : 480B RIO VISTA

**Species of Concern**

Invertebrates

Antioch Dunes anthicid beetle, *Anthicus antiochensis* (SC)

Sacramento anthicid beetle, *Anthicus sacramento* (SC)

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Plants

Suisun Marsh aster, *Aster lentus* (SC)

valley spearscale, *Atriplex joaquiniana* (SC)

Northern California black walnut, *Juglans californica* var. *hindsii* (SC)

delta tule-pea, *Lathyrus jepsonii* var. *jepsonii* (SC)

Mason's lilaeopsis, *Lilaeopsis masonii* (SC)

QUAD : 497C LIBERTY ISLAND

**Listed Species**

Birds

American peregrine falcon, *Falco peregrinus anatum* (E)

Aleutian Canada goose, *Branta canadensis leucopareia* (T)

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

winter-run chinook salmon, *Oncorhynchus tshawytscha* (E)

delta smelt, *Hypomesus transpacificus* (T)

delta smelt critical habitat, *Hypomesus transpacificus critical habitat* (T)

Invertebrates

Conservancy fairy shrimp, *Branchinecta conservatio* (E)

vernal pool tadpole shrimp, *Lepidurus packardii* (E)

vernal pool fairy shrimp, *Branchinecta lynchi* (T)

valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)

delta green ground beetle, *Elaphrus viridis* (T)



QUAD : 497C LIBERTY ISLAND

**Proposed Species**

**Fish**

- Central Valley steelhead, *Oncorhynchus mykiss* (PE)
- Sacramento splittail, *Pogonichthys macrolepidotus* (PT)

**Candidate Species**

**Mammals**

- San Joaquin Valley woodrat, *Neotoma fuscipes riparia* (C)
- riparian brush rabbit, *Sylvilagus bachmani riparius* (C)

**Birds**

- mountain plover, *Charadrius montanus* (C)

**Amphibians**

- California tiger salamander, *Ambystoma californiense* (C)

**Species of Concern**

**Mammals**

- small-footed myotis bat, *Myotis ciliolabrum* (SC)
- long-eared myotis bat, *Myotis evotis* (SC)
- fringed myotis bat, *Myotis thysanodes* (SC)
- long-legged myotis bat, *Myotis volans* (SC)
- Yuma myotis bat, *Myotis yumanensis* (SC)
- San Joaquin pocket mouse, *Perognathus inornatus* (SC)
- Pacific western big-eared bat, *Plecotus townsendii townsendii* (SC)

**Birds**

- tricolored blackbird, *Agelaius tricolor* (SC)
- western burrowing owl, *Athene cunicularia hypugea* (SC)
- ferruginous hawk, *Buteo regalis* (SC)
- little willow flycatcher, *Empidonax traillii brewsteri* (SC)
- white-faced ibis, *Plegadis chihi* (SC)

**Reptiles**

- northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
- California horned lizard, *Phrynosoma coronatum frontale* (SC)

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QUAD : 497C LIBERTY ISLAND

**Species of Concern**

Amphibians

western spadefoot toad, *Scaphiopus hammondi* (SC)

Fish

green sturgeon, *Acipenser medirostris* (SC)

river lamprey, *Lampetra ayresi* (SC)

Pacific lamprey, *Lampetra tridentata* (SC)

longfin smelt, *Spirinchus thaleichthys* (SC)

Invertebrates

Antioch Dunes anthicid beetle, *Anthicus antiochensis* (SC)

Sacramento anthicid beetle, *Anthicus sacramento* (SC)

Plants

Ferris's milk-vetch, *Astragalus tener* var. *ferrisiae* (SC)

adobe lily, *Fritillaria pluriflora* (SC)

delta tule-pea, *Lathyrus jepsonii* var. *jepsonii* (SC)

Mason's lilaeopsis, *Lilaeopsis masonii* (SC)

QUAD : 497D COURTLAND

**Listed Species**

Birds

American peregrine falcon, *Falco peregrinus anatum* (E)

Aleutian Canada goose, *Branta canadensis leucopareia* (T)

bald eagle, *Haliaeetus leucocephalus* (T)

Reptiles

giant garter snake, *Thamnophis gigas* (T)

Amphibians

California red-legged frog, *Rana aurora draytonii* (T)

Fish

winter-run chinook salmon, *Oncorhynchus tshawytscha* (E)

winter-run chinook salmon crit. habitat, *Oncorhynchus tshawytscha* (E)

delta smelt, *Hypomesus transpacificus* (T)

delta smelt critical habitat, *Hypomesus transpacificus critical habitat* (T)

**DRAFT**

QUAD : 497D COURTLAND

**Listed Species**

## Invertebrates

Conservancy fairy shrimp, *Branchinecta conservatio* (E)vernal pool tadpole shrimp, *Lepidurus packardii* (E)vernal pool fairy shrimp, *Branchinecta lynchi* (T)valley elderberry longhorn beetle, *Desmocerus californicus dimorphus* (T)delta green ground beetle, *Elaphrus viridis* (T)**DRAFT****Proposed Species**

## Fish

Central Valley steelhead, *Oncorhynchus mykiss* (PE)Sacramento splittail, *Pogonichthys macrolepidotus* (PT)**Candidate Species**

## Mammals

San Joaquin Valley woodrat, *Neotoma fuscipes riparia* (C)riparian brush rabbit, *Sylvilagus bachmani riparius* (C)

## Birds

mountain plover, *Charadrius montanus* (C)

## Amphibians

California tiger salamander, *Ambystoma californiense* (C)**Species of Concern**

## Mammals

small-footed myotis bat, *Myotis ciliolabrum* (SC)long-eared myotis bat, *Myotis evotis* (SC)fringed myotis bat, *Myotis thysanodes* (SC)long-legged myotis bat, *Myotis volans* (SC)Yuma myotis bat, *Myotis yumanensis* (SC)San Joaquin pocket mouse, *Perognathus inornatus* (SC)Pacific western big-eared bat, *Plecotus townsendii townsendii* (SC)

## Birds

tricolored blackbird, *Agelaius tricolor* (SC)

QUAD : 497D COURTLAND

**Species of Concern****Birds**

- western burrowing owl, *Athene cunicularia hypugea* (SC)
- ferruginous hawk, *Buteo regalis* (SC)
- little willow flycatcher, *Empidonax traillii brewsteri* (SC)
- white-faced ibis, *Plegadis chihi* (SC)

**DRAFT****Reptiles**

- northwestern pond turtle, *Clemmys marmorata marmorata* (SC)
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**Amphibians**

- western spadefoot toad, *Scaphiopus hammondi* (SC)

**Fish**

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**Invertebrates**

- Antioch Dunes anthicid beetle, *Anthicus antiochensis* (SC)
- Sacramento anthicid beetle, *Anthicus sacramento* (SC)

**Plants**

- delta tule-pea, *Lathyrus jepsonii* var. *jepsonii* (SC)

**KEY:**

(E) <i>Endangered</i>	Listed (in the Federal Register) as being in danger of extinction.
(T) <i>Threatened</i>	Listed as likely to become endangered within the foreseeable future.
(P) <i>Proposed</i>	Officially proposed (in the Federal Register) for listing as endangered or threatened.
(C) <i>Candidate</i>	Candidate to become a <i>proposed</i> species.
(SC) <i>Species of Concern</i>	May be endangered or threatened. Not enough biological information has been gathered to support listing at this time.
(*)	Possibly extinct.
<i>Critical Habitat</i>	Area essential to the conservation of a species.